

Converting Colors

XYZ(27.4999, 40.8965, 52.6449)

Have a look what the booklet for
XYZ(27.4999, 40.8965, 52.6449)
contains.

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Color

**XYZ(27.4937, 40.8068,
52.8818)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFBA
RGB	0, 191, 186
RGB Percent	0%, 75%, 73%
CMY	0.9999, 0.2510, 0.2706
CMYK	1.00, 0.00, 0.03, 0.25
HSL	178°, 100%, 37%
HSV	178°, 100%, 75%
XYZ	27.4937, 40.8068, 52.8818
YIQ	133.3210, -112.2310, -42.0470

Conversions

Conversions Part 2

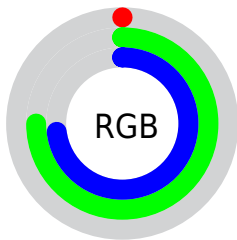
Format	Color
RYB	0, 97, 191
Decimal	49082
CIELab	70.04, -40.19, -8.86
CIELCh	70, 41.154, 192.438
Yxy	40.8068, 0.2269, 0.3367
Android (android.graphics.Color)	4278239162 (0xFF00BFBA)
YUV	133.3210, 25.9707, -116.9225
Hunter-Lab	63.8802, -34.9649, -4.3658

Details

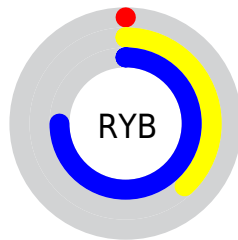
The XYZ color **27.4937, 40.8068, 52.8818** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5145, 11.0885, 1.1509**, and the grayscale version is **22.3530, 23.5171, 25.6101**.

A 20% lighter version of the original color is **55.0739, 76.3704, 95.8427**, and **13.1793, 19.5848, 25.2759** is the 20% darker color. If you saturate the color by 10%, you get **27.4944, 40.8081, 52.8823**, and if you desaturate by 10%, it is **27.8190, 40.9692, 53.1761**.

Distribution



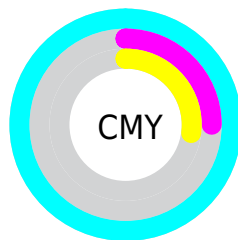
- Red (0%)
- Green (75%)
- Blue (73%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4937, 40.8068, 52.8818 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.4937, 40.8068, 52.8818 by changing the saturation by 10% instead.

27.4937, 40.8068,
52.8818

27.4937, 40.8068,
52.8818

282.1638,
349.5125, 414.8849

18.0829, 28.1682,
37.3213

55.0894, 76.3905,
95.8702

11.1095, 18.4525,
25.1587

74.0050, 100.1044,
124.1352

6.2084, 11.2753,
15.9752

96.8195, 128.2788,
157.4722

3.0141, 6.2523,
9.3524

123.8983,
161.2981, 196.2996

1.1612, 2.9991,
4.8718

155.6068,
199.5467, 241.0361

0.0754, 1.1313,
2.1148

192.3103,

0.0000, 0.0045,

243.4091, 292.1001

0.6246

234.3742,
293.2695, 349.9102

■ 0.0000, 0.0000,
0.0000

■ 27.4937, 40.8068,
52.8818

■ 27.4937, 40.8068,
52.8818

■ 27.4944, 40.8081,
52.8823

■ 27.8190, 40.9692,
53.1761

■ 28.4093, 41.2673,
53.4828

■ 29.3614, 41.7520,
53.8074

■ 30.7239, 42.4482,
54.1523

■ 32.5379, 43.3771,
54.5192

■ 34.8394, 44.5573,
54.9099

■ 37.6608, 46.0055,
55.3259

■ 41.0319, 47.7370,
55.7687

■ 44.9800, 49.7660,
56.2394

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.7319, 40.8068, 34.1817



27.4937, 40.8068, 52.8818



30.0156, 40.8068, 74.3477

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.4937, 40.8068, 52.8818



48.1673, 40.8068, 77.6912



42.8136, 40.8068, 17.6789

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.4937, 40.8068, 52.8818



21.5145, 11.0885, 1.1509

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.1165, 40.8068, 23.8583



27.4937, 40.8068, 52.8818



52.4441, 40.8068, 56.5496

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.4937, 40.8068, 52.8818



41.6337, 40.8068, 91.2091



52.8103, 40.8068, 36.9334



36.0705, 40.8068, 17.2200

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.4937, 40.8068, 52.8818



33.1127, 40.8068, 85.9374



52.8103, 40.8068, 36.9334



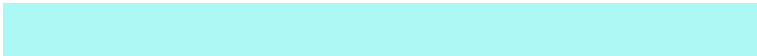
45.0721, 40.8068, 19.0508

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.4949, 40.8083, 52.8828



67.1771, 82.2540, 99.0480



18.7117, 37.3042, 6.2152



14.2565, 17.8081, 21.6792



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.4949, 40.8083, 52.8828



49.2259, 73.0790, 94.6299



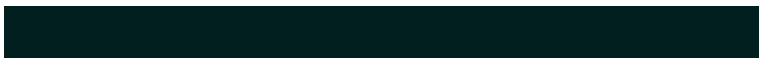
14.1447, 13.2418, 51.1023



9.7975, 10.8051, 12.1831



18.0733, 26.8196, 34.7782



0.7114, 1.0519, 1.3804

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.5145, 11.0885, 1.1509



38.5168, 19.8520, 1.9878



25.0718, 18.2470, 2.2015



9.5400, 9.5403, 9.9668



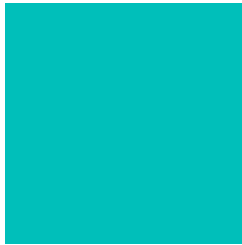
14.1429, 7.2883, 0.7803



0.5575, 0.2869, 0.0490

Previews

White Background



This preview shows how the XYZ color 27.4937, 40.8068, 52.8818 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.4937, 40.8068, 52.8818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

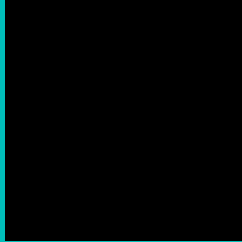
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

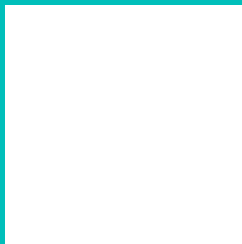
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4937, 40.8068, 52.8818

Background



This preview shows how black text looks on a background with the XYZ color 27.4937, 40.8068, 52.8818.

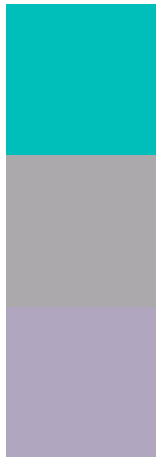


This preview shows how white text looks on a background with the XYZ color 27.4937, 40.8068,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.4937, 40.8068, 52.8818

Protanopia

38.7440, 40.1637, 45.2455

Deuteranopia

41.0551, 40.3083, 55.4856



Tritanopia

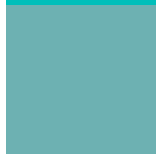
29.7190, 40.7574, 63.4274

Trichromacy



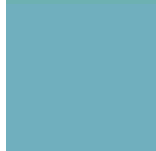
Original Color

27.4937, 40.8068, 52.8818



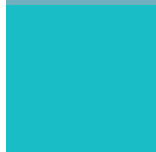
Protanomaly

30.0647, 37.9098, 47.8522



Deuteranomaly

31.3063, 37.8224, 54.3656



Tritanomaly

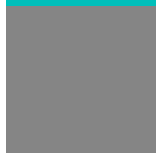
28.6765, 40.6331, 59.1549

Monochromacy



Original Color

27.4937, 40.8068, 52.8818



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.9694, 27.3095, 33.8718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4937, 40.8068, 52.8818 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 191, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 186)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 191, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 186) }
```

Border

The CSS property to change the border of an element to XYZ 27.4937, 40.8068, 52.8818 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 191, 186) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 191, 186) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 191, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4937, 40.8068, 52.8818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 186) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 191,  
186) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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